

## CLAIMS:

1. A circuit (2) for generating a composite output picture signal (6) such as a picture signal (36) comprising a PIP (Picture-in-Picture) signal (38), or a DW (Double Window) signal, on the basis of at least two input picture signals (4.1, 4.2), the circuit comprising:

5 color decoding means (8) for decoding the at least two input picture signals (4.1, 4.2), the color decoding means (8) comprising combining means (14) for combining the at least two input picture signals into one combined picture signal (16); and one color decoder (18) for decoding the one combined picture signal (16) to obtain a single decoded combined picture signal (12); and

10 composing means (10) for generating the composite output picture signal (6) on the basis of the single decoded combined picture signal (12).

2. A circuit according to claim 1, wherein the combining means (14) comprise a multiplexer for time-multiplexing the at least two input picture signals (4.1, 4.2) so as to  
15 obtain the one combined picture signal (16).

3. A circuit according to claim 2, wherein the multiplexer comprises a buffer-memory.

20 4. A circuit according to claim 1, wherein the composing means (10) comprise a de-multiplexer (26) for the time de-multiplexing of the decoded combined picture signal (12) into at least two decoded picture signals (30.1, 30.2) for further processing (28) to obtain the composite output picture signal (6).

25 5. A circuit according to claim 4, wherein the composing means (10) further comprise a memory (24) and a micro-processor (28) for the further processing of the at least two decoded picture signals (30.1, 30.2).

6. A television apparatus provided with a circuit (2) according to claim 1, and a display device (D) for displaying the composite output picture signal (6).

7. A video tape recorder provided with a circuit according to claim 1.